

photos

18 FEB 1995

40 31

1. CASE NO. 941115CCC3078 H94A0250		2. INVESTIGATOR'S ID [8][3][1][0]		3. OFFICE CODE [8][7][1]		EPIDEMIOLOGIC INVESTIGATION REPORT	
4. DATE OF INCIDENT YR MO DAY [9][4][1][0][2][1]		5. DATE INVESTIGATION INITIATED YR MO DAY [9][5][0][1][0][5]					
6. SYNOPSIS OF INCIDENT OR COMPLAINT A residence fire was determined to have been caused by a toaster oven that overheated. Examination by an electrical engineer found that a part of the oven failed allowing the oven to continue heating. Noone was injured.							
LOCATION (Home, school, etc.) Home [10]		8. CITY Carlsbad			9. STATE CA		
10A. FIRST PRODUCT Toaster Oven [0][2][1][6]		11A. TRADE/BRAND NAME, MODEL NUMBER, MANUFACTURER & ADDRESS Black and Decker, Towson, MD TROYCO					
1. SECOND PRODUCT None [][][][]		11B. TRADE/BRAND NAME, MODEL NUMBER, MANUFACTURER & ADDRESS					
12. AGE OF VICTIM [9][9][9]		13. SEX (USE NUMERICAL CODE) MALE - 1 FEMALE - 2 [9] UNKNOWN - 3		14. DISPOSITION No injury [0]		15. INJURY DIAGNOSIS No injury [7][0]	
16. BODY PART [9][9]		17. RESPONDENT(S) (Mother, Friend) Product owner, investigators [1]		18. TYPE INVESTIGATION ON SITE - 1 TELEPHONE - 2 [2] OTHER - 3		19. TIME SPENT [0][8][10]	
20. ATTACHMENTS Multiple [9]		21. CASE SOURCE [0][7] Consumer		2. REVIEWED BY [][][][]		YR MO DAY [][][][][][]	
23. PERMISSION TO DISCLOSE NAMES (NON-NEISS CASES ONLY) CPSC MAY DISCLOSE MY NAME [] CPSC MAY NOT DISCLOSE MY NAME [X]							
24. NARRATIVE (See Instructions on Page 2)				25. REGIONAL OFFICE DIRECTOR REVIEW DATE			

The narrative report and exhibits are attached.

MFR/PRVLR NOTIFIED 3/15/92
No Comments made
Comments attached
Excisions/Revisions
Firm has not requested
further notice

941115CCC3078

The information contained in this report was obtained from an investigation report prepared for the consumer's insurance company.

The toaster oven involved in the event is being held by a fire cause investigator. It may be available for laboratory examination after the insurance company is finished with it.

PRE EVENT

The event occurred in a two story condominium. The first floor is composed of a bedroom area. The second floor is equipped with a livingroom, kitchen, bathroom, and bedroom.

A toaster oven was located on the countertop in the kitchen. The only other appliance on the countertop was a blender that was not plugged in.

The consumer stated that she had had the toaster oven for four or five years. She lived in the condominium since May of 1992. She had had no electrical problems or repairs in the unit.

The toaster oven was used last on 10-17-94. It was always left plugged in.

EVENT

The consumer was not at home at the time of the event. Her roommate heard a loud crackling sound coming from the upstairs. He investigated and found the kitchen in flames.

POST EVENT

The fire department responded and extinguished the fire. Their investigation revealed that the source of the fire was a "malfunctioning toaster oven." See Attachment 4.

The investigative report prepared for the insurance company. Attachment 1, concluded that the fire was caused by a malfunctioning toaster oven.

The electrical engineer who examined the remains of the toaster oven concluded that a plastic component of the bake oven thermostat had partially melted. This condition allowed the contacts of the thermostat to permanently close causing continuous heating of the oven. See Attachment 2. He found the oven control thermostat in the "off" position.

PRODUCT IDENTIFICATION

The bottom pan of the toaster oven is missing. No specific identification could be made of the toaster oven involved in the

event.

The investigator for the insurance company and the electrical engineer who examined the remains of the unit involved in the event identified the unit as a Black & Decker model TRO400. They said that they had seen many previous failures of the same model of toaster oven.

Black & Decker is located at 701 E, Jappa Rd., Towson, MD 20484.

Photographs of the toaster oven involved in the fire, and the carton of a unit described as identical, were taken at the office of the investigator for the insurance company.

ATTACHMENTS

1. Investigation report prepared for the insurance company
2. Electrical engineer's report of his examination of the toaster oven.
3. Carlsbad Fire Department Incident Report number 3346.
4. Carlsbad Fire Department Fire Investigation Report number 3346.

Photographs of the toaster oven involved in the event and the carton of another oven described as the same model.

941115CCC3078 (V)

INVESTIGATIVE REPORT PREPARED FOR:

[REDACTED]
Farmers Insurance Group
P. O. Box 910530
San Diego, CA 92191

Carrier: Farmers Insurance Group
Claim No. CC 4152

Insured: La Costa Ownership Corporation

Loss Location: [REDACTED]
Carlsbad, CA

Date of Loss: 10/22/94

File No. 109427
[REDACTED]

DEC 05 1994

Fire and Explosives Scene Consultants and Investigators

San Marcos, CA 92069

To:

Farmers Insurance Group
P.O. Box 910530
San Diego, CA 92191

Carrier: Farmers Insurance Group
Claim No. CC 4152

Insured: La Costa Ownership Corporation

Location of Loss: [REDACTED]
Carlsbad, CA 92009

Type of Loss: Two story condominium
Fire - Accidental

Date and Time of Loss: - October 22, 1994 0600 Hours

On October 27, 1994, this office was requested to initiate an investigation into the origin and cause of a fire which resulted in moderate damage to the above described structure. Following is the result of that investigation.

CONCLUSION The fire resulted when heat from a malfunctioning Black and Decker toaster oven ignited the counter top and cabinets in the northwest corner of the kitchen. The kitchen occupies the central portion of the second floor of the subject unit. This conclusion is supported by the following facts, statements and observations.

POINT OF ORIGIN The point of origin is located on the counter top in the northwest corner of the kitchen. This was determined to be the point of origin for the following reasons:

1. Total consumption of a small area of the counter top at this location.
2. Corresponding damage to the cabinets and ceiling above this location.
3. A fire cone rising vertically and spreading laterally up the face of the west wall of the kitchen commencing at this location.
4. Decreasing damage away from this location.
5. Carlsbad Fire Department investigators determined this to be the point of origin independent of this investigation.

IGNITION SOURCE The ignition source was determined to be heat from a malfunctioning Black & Decker toaster oven. This was determined to be the ignition source in lite of the following:

1. A severely damaged Black and Decker toaster over was discovered at the point of origin.
2. No evidence of electrical activity was observed in fixed wiring, outlets or switches in close proximity to the toaster oven.
3. Characteristics normally associated with carelessly discarded smoking materials were not observed.
4. There was no evidence observed to suggest that any attempt was made to spread the fire in an unnatural fashion - taking away from the possibility of an intentional act.
5. Carlsbad Fire Department investigators agree with this ignition source in a separate and independent investigation.
6. Examination of the subject toaster oven by Electrical Engineer Robert Hall revealed an interior failure which has been observed in identical units and known to have caused fires.

INVESTIGATION On October 28, 1994, I drove to the loss location. Upon arrival I observed a two story condominium complex located in a newly established residential neighborhood of Carlsbad, California. The structure is constructed with a 2"x 4" frame and stucco exterior wall.

At the time of my arrival I was met by the unit owner Ms. Sally Hampton. I explained the purpose of my visit at which time Ms. Hampton agreed to the indicated investigation.

The subject unit is a two story unit with the main entrance on the first floor and facing east. This is the second unit away from the south end of the building.

Upon entering the unit I observed light to moderate smoke damage. No evidence of direct fire damage was observed to the first floor.

Utilizing the stairs at the south center of the unit, I examined the second floor.

Fire damage was observed at the north center of the unit. This area was identified as the kitchen. Prior to closer examination of this area, a survey of the remainder of the second floor was conducted.

A large bedroom occupying the west end of the second floor received only light to moderate smoke damage. The bathroom between the kitchen and bedroom received heavier smoke and some heat damage.

A living room and dining combination at the east end received heat damage and heavier smoke damage. All evidence showed the kitchen to be the room of fire origin.

Insured: LA COSTA, OWNERSHIP

11/10/94

Page Three

Fire damage was concentrated at the west side near the kitchen sink. Closer examination revealed the counter top immediately north of the sink had a hole approximately 12 inches in diameter burned through it.

A fire cone was observed on the west wall with the apex located at the hole in the counter top. Fire damage decreased in all directions away from this area. Ceiling damage was consistent with one point of origin located at this point.

The area north of the kitchen sink where the hole was burned through the counter top was determined to be the point of origin.

Fixed wiring devices such as outlets and switches near the point of origin were examined and found to contain no evidence of electrical activity.

A duplex outlet on the west wall approximately one foot north of the point of origin had smoke patterns indicating an appliance or cord was plugged in to the lower half.

After interviewing the owner, it was determined a toaster oven had been located at the point of origin and was plugged into the lower half of the duplex outlet.

Examination of the toaster oven revealed heavy fire damage to the end away from the control panel. According to owner statements, this portion of the toaster oven was located exactly on top of the hole burned in the counter.

At this time heat from the toaster oven was determined to be the ignition source of this fire.

Supportive photographs were taken and the scene examination completed.

The remains of the toaster oven were retained by this office.

STATEMENTS On October 28, 1994, I talked with unit owner, [REDACTED], at the loss location. Ms. [REDACTED] stated she purchased the condominium in May of 1992. She has not experienced any electrical problems with the unit during the time she has lived there. [REDACTED] also stated that she has not had any electrical repairs done. Ms. [REDACTED] said the toaster oven was a Black and Decker she has owned for four or five years.

I asked [REDACTED] to describe circumstances surrounding the fire. She stated she was not at home at the time of the fire. The only person home was her roommate, [REDACTED]. [REDACTED] told her that he heard a loud crackling sound coming from the upstairs. Upon investigating he observed fire in the kitchen.

I inquired of [REDACTED] when the last time the toaster oven was used. She said it was last used on Monday, October 17, 1994.

I asked her if the oven was routinely left plugged in. She said that the unit was always plugged in.

I then asked [REDACTED] if there were any other appliances on the counter that were plugged in. She said the only other appliance on the counter was a blender at the extreme north end of the counter but it was not plugged in.

I asked [REDACTED] if there were any smokers residing in the dwelling. She replied negative.

I asked [REDACTED] if she was insured for the loss. She said she is insured by 20th Century Insurance Company.

Contact with [REDACTED] was concluded.

On October 31, 1994, I talked to Captain [REDACTED] of the Carlsbad Fire Department. Captain [REDACTED] stated he had conducted an investigation into the origin and cause of the fire on the day of occurrence. As a result of that investigation he concluded the fire originated on the counter top in the northwest corner of the kitchen. He further concluded that the fire was ignited by heat generated by a toaster oven. The toaster oven was found at the established point of origin. Captain [REDACTED] based this opinion on heat, smoke and char patterns that he observed in the kitchen and the discovery of the toaster oven at the base of a fire cone rising vertically above a hole burned through the counter top beneath the toaster oven. Captain Smith went on to say that the only other appliance on the counter was a blender that was not plugged in.

11/10/94

On November 1, 1994, I contacted [REDACTED] Farmers Insurance. At that time I provided [REDACTED] with a verbal overview of my investigation. I also requested that the services of Electrical Engineer Robert Hall be retained for the purpose of examining the toaster oven. [REDACTED] agreed to Mr. Hall's retention and contact was terminated.

On November 17, 1994, I received [REDACTED] report reflecting his examination of the subject toaster oven. In that report he concluded that the bake control thermostat failed which allowed the unit to continue heating with the control in the off position.

RECOMMENDATIONS AND OBSERVATIONS The fire resulted when the bake control thermostat in a Black and Decker toaster oven failed. The failure allowed the device to continue heating with the control in the off position. This office has investigated other fires that have resulted from identical failures in Black and Decker toaster ovens. It would therefore seem that the liability carrier for Black and Decker accept responsibility for this loss.

Attached Electrical Engineer's report per [REDACTED]

for F

PHOTOGRAPHS

Photo 5 Closer view of the toaster oven in its original position. Note that the heavy damage to the toaster oven corresponds to the hole burned through the counter top. Arrow points to the smoke stains on the upper portion of the duplex outlet, indicating that the lower portion was the only portion occupied at the time of the fire. Switches to the left of the outlet control the ceiling light and garbage disposal.



Photo 3 View from the south in kitchen showing all fire damage above counter level. Arrow points to the point of origin.



Photo 4 Close view of the hole burned through the counter top beneath toaster oven.



Photo 1 The condominium complex as it appeared on the day of the investigation. Arrows point to suspect unit.

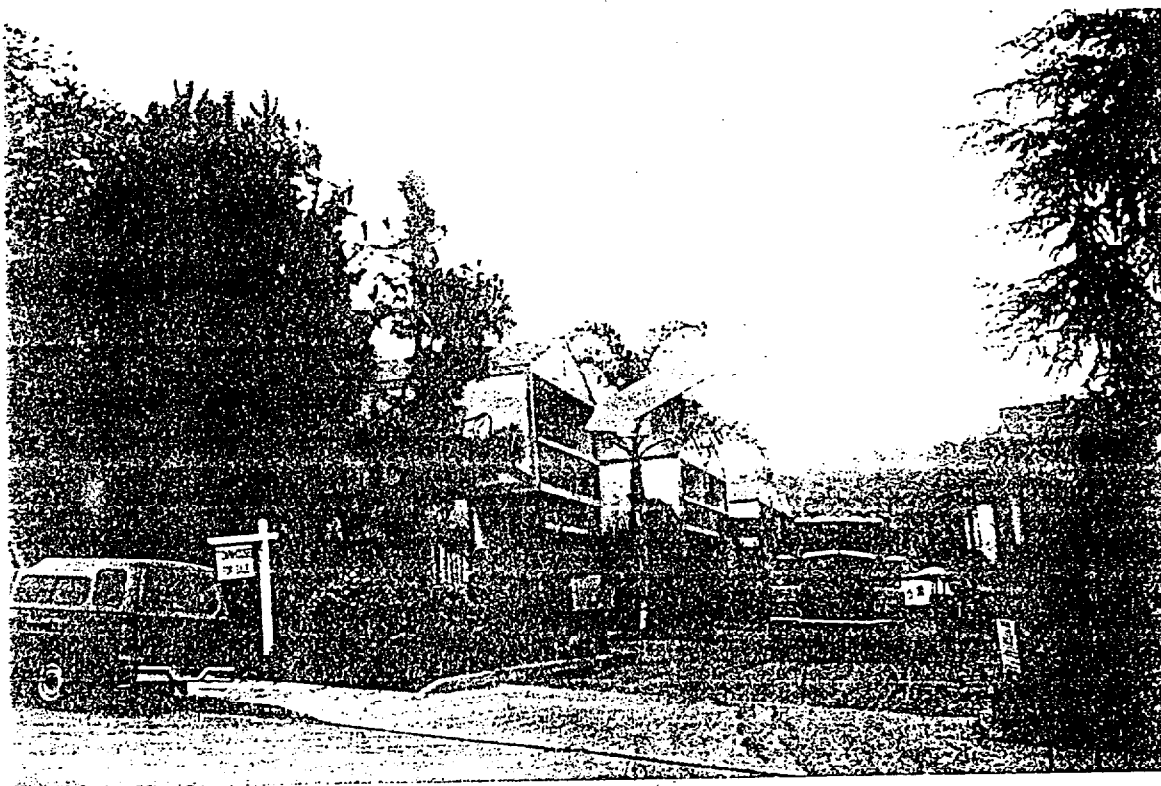
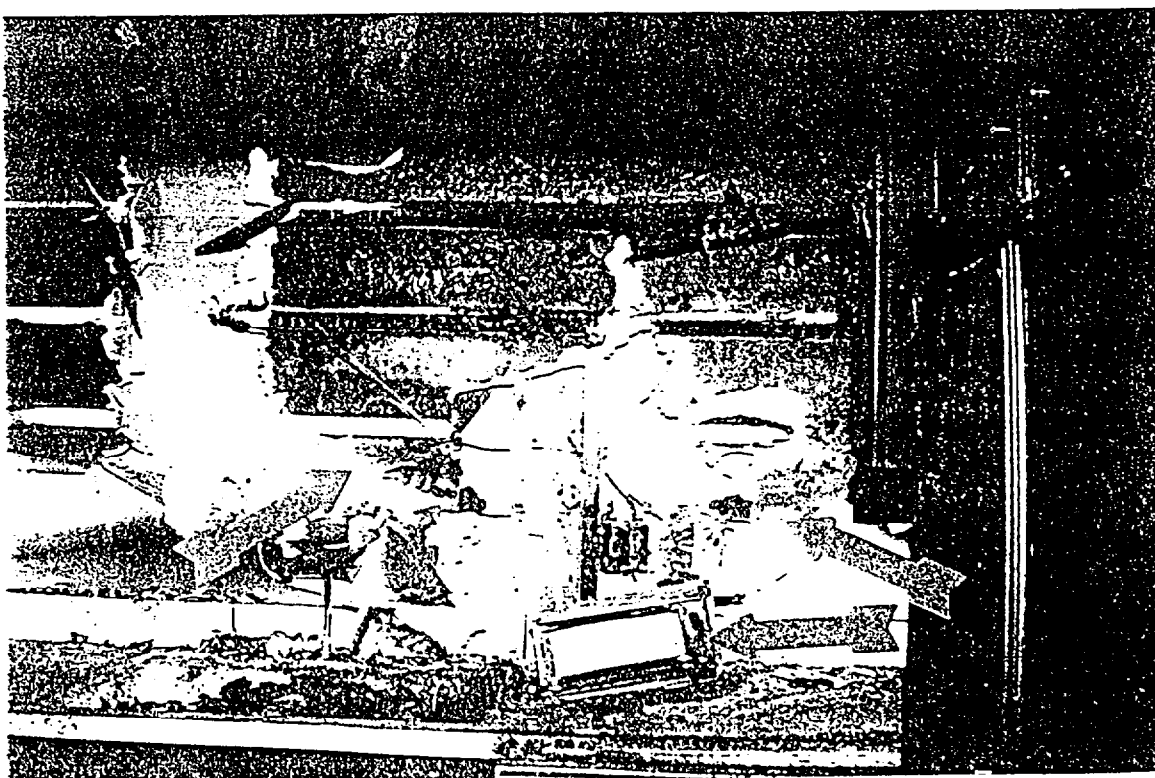


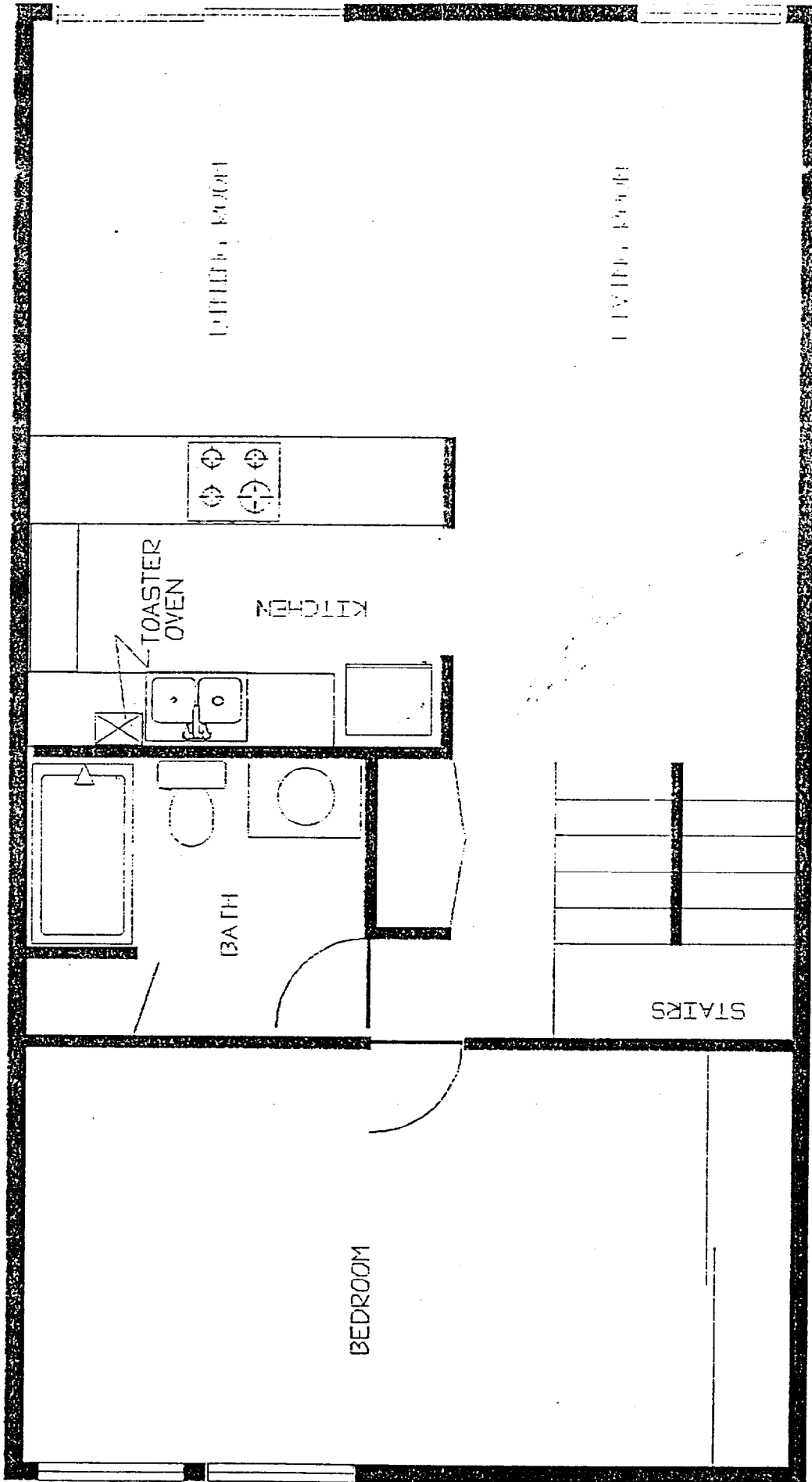
Photo 2 The northwest corner of the kitchen with the toaster oven in its original position. Arrows trace the fire cone on wall above and behind unit.



DIAGRAM

2376 B ALTISMA WAY
CARLSBAD, CALIFORNIA

SECOND FLOOR



NOT TO SCALE
BY G. CHURCH
POINT OF ORIGIN
PLANE OF LEAD

941115 CCC 3078 (2)

ELECTRICAL ENGINEERS REPORT

by

[REDACTED]

DEC 05 1994

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[REDACTED] Electrical & Safety Engineer

[REDACTED] ESCONDIDO, CALIFORNIA 92029 [REDACTED]

17 November 1994

[REDACTED]
San Marcos, CA 92069

SUBJECT: Laboratory Examination: Black & Decker Toaster Oven
Insured: La Costa Ownership Corporation
Claim #: CC 4152
Your File Number: 1094.27

SYNOPSIS

The failure of the **Black & Decker Toaster Oven Thermostat** caused the unit to continuously heat. No other evidence of electrical malfunction was observed.

LABORATORY EXAMINATION RESULTS

The evidence was examined on 14 November 1994 and the following items observed:

1. The bottom door of the toaster oven was missing. This is where the model and serial numbers are located. From past examinations and the alleged age, this unit appears to be a **BLACK & DECKER**.
2. One side frame with small glass fragments was all that remained of the front door.
3. The Toast Lever was in the OFF position.
4. The Toast Control was rotated full clockwise.
5. Examination of the Thermostat revealed that the plastic component which positions the plunger had partially melted. This allowed the control contacts to remain permanently closed, causing continuous heating.
6. The power supply cord of the toaster oven exhibited evidence of insulation damage from external heat. There was no evidence of any electrical malfunction.

7. The heating elements in the top were slightly distorted and no longer straight. The bottom heating elements were not apparently distorted. None of the elements exhibited any visible evidence of electrical malfunction.
8. The inside metal surfaces of the toaster oven appear discolored.
9. There is a drop of melted copper on the top surface of the toaster oven case. There is no evidence of any electrical activity on the surface in this area.

ANALYSIS

The **Black & Decker** toaster ovens of this type have a thermostat which fails with the control contacts in the closed position. The oven will then continuously heat until the power supply is interrupted. Several toaster ovens with a similar thermostat have exhibited this problem.

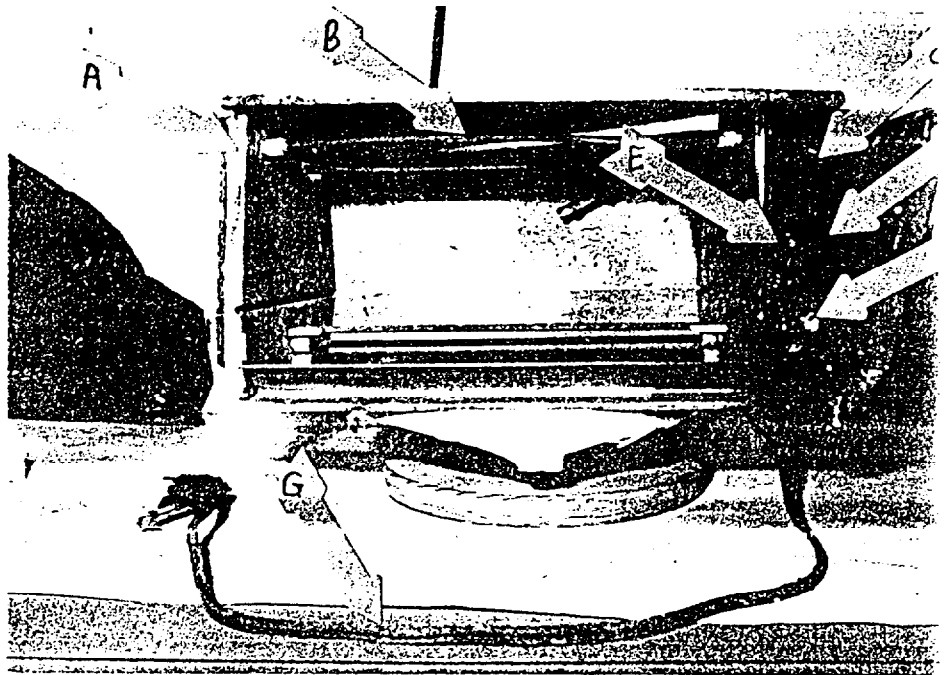
CONCLUSION

1. It is my opinion based on the post fire condition of the **Black & Decker Toaster Oven** and previous experience with this type of toaster oven that failure of the thermostat (Bake Control) caused the unit to continuously heat resulting in the internal and external damage observed.

PHOTOGRAPHS

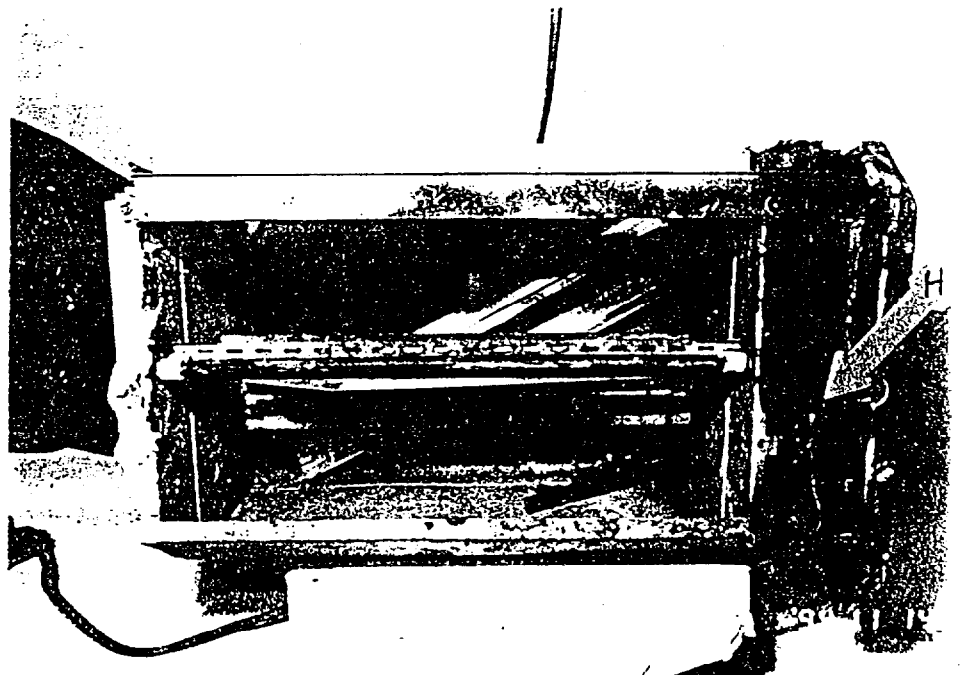
PHOTOGRAPH #1

The Black & Decker Toaster Oven. A. Arrow B indicates one of the upper heating elements; C the thermostat (Bake Control); D, the Pilot Lamp; E, the Toast Lever; F, the Toast Control; and G, the power supply cord. The Toast Control is in the OFF position.



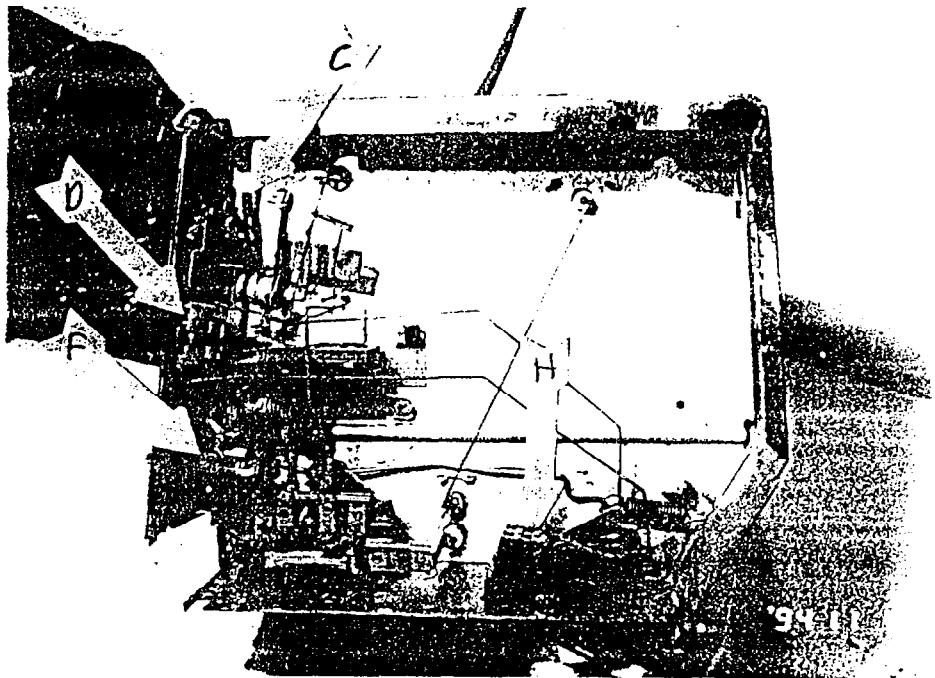
PHOTOGRAPH #2

The bottom of the oven. The power supply cord entry is on the bottom of the oven below the Door Switch, H.



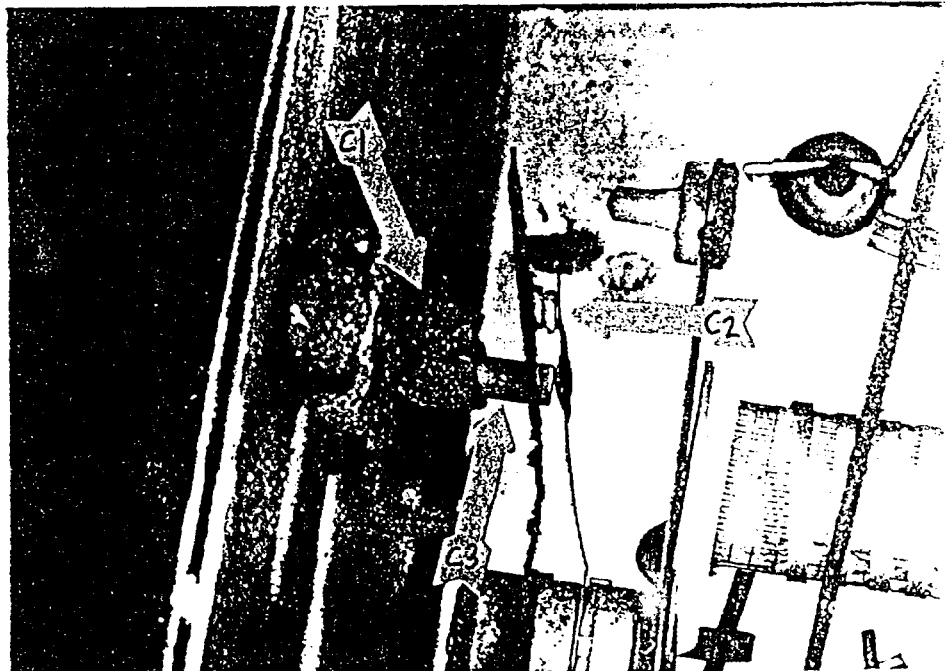
PHOTOGRAPH #3

The control end of the oven with the plastic end cover removed. Arrow C indicates the thermostat (Bake Control); D, the Pilot Lamp; F, the Toast Control; and H the Door Switch.



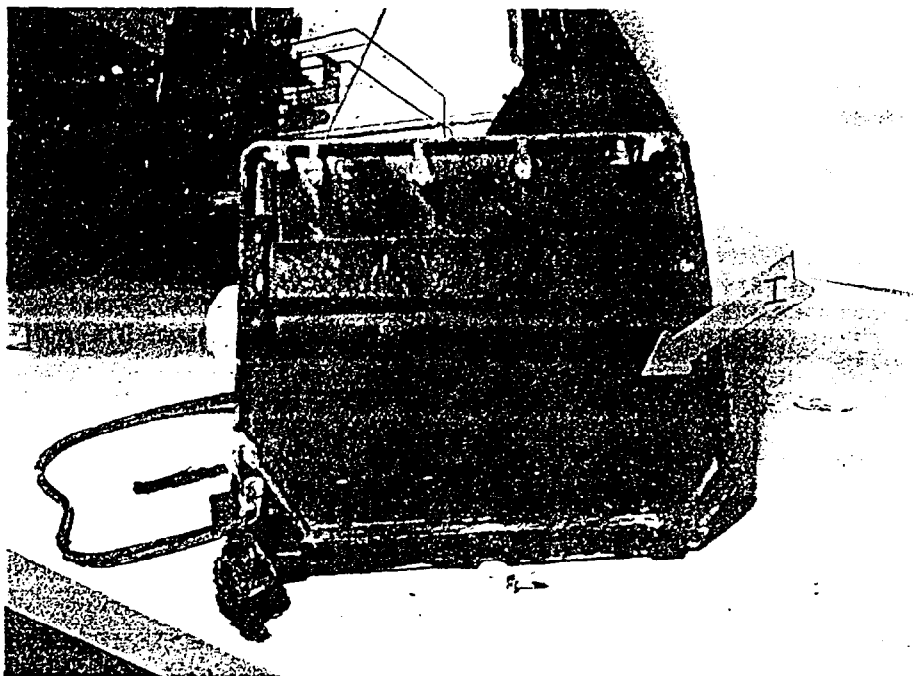
PHOTOGRAPH #4

A close-up of the thermostat. Arrow C1 indicates the plastic part of the Thermostat Operating mechanism. When the operating mechanism moves forward, the control contacts, C2, close permanently energizing the heating elements. Arrow C3 indicates the ceramic pin which transfers the force to the rear moveable contact.



PHOTOGRAPH #5

The right-hand end cover of the oven. Arrow I indicates a mold mark cast into the plastic.



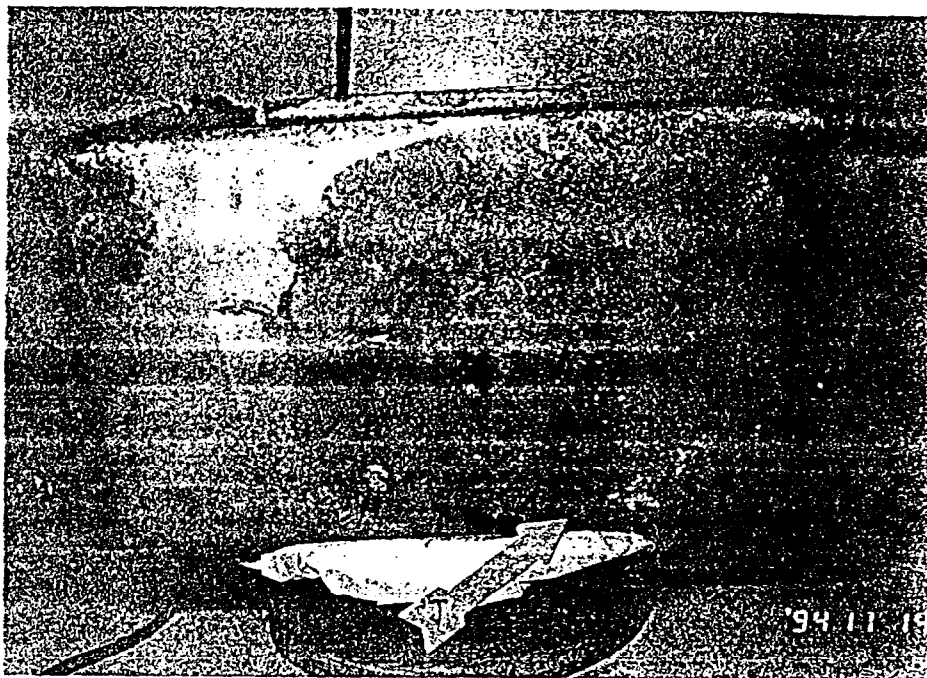
PHOTOGRAPH #6

A close-up of the mold mark, I1, in the plastic end cover.



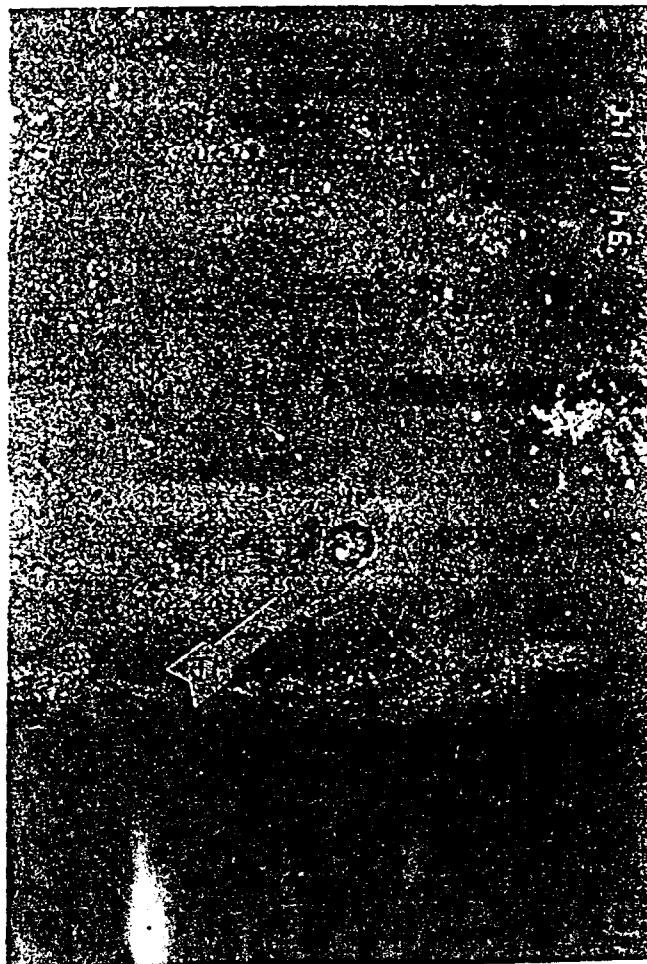
PHOTOGRAPH #7

The top of the toaster oven cabinet. Arrow J indicates a bead of melted copper deposited onto the surface.



PHOTOGRAPH #8

A close-up of the bead of melted copper, J1. Note that there is no evidence of any electrical activity on the surrounding surface such as holes or welded conductor fragments.



941115CCC3078 (3)

SECTION A		CALIFORNIA FIRE INCIDENT REPORTING				CFIRS 1	
FDID		INCIDENT REPORT				INC NUM	Yr Exp
37025		Carlsbad Fire Department				94	00003346 000
CORR.						MULTI AGENCY	CBD 94 00003346
DATE	TIME	ARRIVAL	END	ADD'L DAYS	1ST IN CO	DIST.	
10/22/94	01:59	02:07	04:20	0	E12	2 A	
SITUATION FOUND		AUTO/MUTUAL AID		METHOD OF ALARM	TYPE WX	AIR TEMP	
11		2		1	2	6.5	
PROP. MANAGE		1					
INC ADDRESS LOCATION							
ROOM/APARTMENT B ZIP CODE 92009 CENSUS TRACT 000000 FIRE HAZARD SEVERITY ZONE							
TOTAL FIRE SERVICE PERSONNEL RESPONDED		Paid 9 Vol. 0		NO. APPARATUS RESPONDED		Rescue	
CODE		NAME		Eng 2 Truck 0 Med. 1 Other 1		AREA TELEPHONE	
OO							
ADDRESS & CITY		CARLSBAD			STATE	ZIP	
CA					92009		
CODE NAME: Last, First, MI		AREA TELEPHONE					
TE							
ADDRESS & CITY		CARLSBAD			STATE	ZIP	
CA					92009		
GENERAL PROP. USE		SPECIFIC PROP. USE	BLDG CODE OCCUP. TYPE	STRUCT TYPE	STRUCT STATUS	OCCUP. AT TIME OF INCIDENT	
42		411	R3	1	2	1	
FOR MOBILE PROPERTY INVOLVED		Vehicle License No		State Year Make		I.C.C./D.O.T. Permit	
Type 98							
Model		Driver's License No State					
ID No.							
SECTION B COMPLETE FOR ALL FIRES							
TYPE OF ACTIONS		FIRE ORIGIN Area		Horiz Distance	FORM OF HEAT	IGNITION FACTOR	
13		24		A02	47	50	
SEX AGE SEX AGE		MAT 1st		CONTRIB. FACTORS		METHOD EXTING	
		41		25		5	
ESTIMATED PROP LOSS		CONTENTS LOSS		FUEL MODEL		ACRES BURNED	
22000		3000					
IF EQUIP INVOLVED IN IGN.		Type 25		Model		Year	
		Make		Serial No.			
SECTION C COMPLETE FOR STRUCTURE FIRE							
CONSTRUCT TYPE		ROOF COVERING	NUMBER OF STORIES	EXTENT OF DAMAGE	Flame	Smoke	
5		2	2		3	5	
MAT GEN. MOST SMOKE EXTING SYSTEM		AVENUE OF SMOKE TRAVEL		DETECTION SYSTEM	Type 8 PS Perf	Reason for Failure	
Type 00 Form 00		7					
Type 98 Perf		Failure		SPRINKLER HEAD(S)	Type	Activated	
SECTION D COMPLETE FOR FIRE CASUALTY							
FIRE SERVICE CASUALTY		Injuries 0 Fatalities 0		NON-FIRE SERVICE FIRE CASUALTY		Injuries 0 Fatalities 0	
SECTION E COMPLETE E.M.S.							
NO. OF PATIENTS		HIGHEST LEVEL CAPABLE ON SCENE		HIGHEST LEVEL PROVIDED ON SCENE		Fire Other	
0							
E.M.S. TYPE SITUATION		NO. OF PATIENTS TRANSPORTED BY		Fire Pvt. Amb. 0 Coroner 0 Other 0			
COMMENTS							
SECTION G OTHER ACTION(S) SPECIAL STUDIES: LOCAL STATEWIDE							
TYPE OF ACTION(S) TAKEN		1a b c d	2a b c d	3a b c d	4a b c d	5a b c d 6a b c d	

Reference Codes for Incident: 94 00003346 Exposure: 000 Date: 10/22/94

Section A

General Information

FIELD	CODE	CODE DESCRIPTION	FIELD	CODE	CODE DESCRIPTION
Situation	11	STRUCTURE FIRE	Mutual Aid	2	AUTO AID REC-BY AGREEMENT
Situation #2			Method Alarm	1	TELEPHONE DIRECT TO FD
Situation #3			Weather	2	CLOUDY
Situation #4			Property Man.	1	PRIVATE TAX-PAYING

FIELD	CODE	CODE DESCRIPTION	FIELD	CODE	CODE DESCRIPTION
Involvement 1	00	OCCUPANT/OWNER	Bldg Code Occ.	R3	DWELLING, LODGING HOUSE
Involvement 2	TE	TENANT	Struct. Type	1	BLDG WITH 1 SPECIFIC USE
General Prop.	42	MULTI-FAMILY RESID. USE	Struct. Status	2	IN USE W/ FURNISH. IN PLACE
Specific Prop.	411	1 FAMILY, YEAR ROUND USE	Occupied	1	STRUCT/VEH OCCUPIED

FIELD	CODE	CODE DESCRIPTION	FIELD	CODE	CODE DESCRIPTION
Mobile Prop	98	N/A			

Section B

Fire

FIELD	CODE	CODE DESCRIPTION	FIELD	CODE	CODE DESCRIPTION
Action Taken	13	EXTIN,SALVAGE,OVERHAUL	Ignition Factor	50	MECH FAILURE INSUFF INFO
Action 2			Type Material	41	RIGID PLASTICS
Action 3			Form Material	25	APPLIANCE HOUSING-CASING
Action 4			Contributing 1		
Area of Origin	24	KITCHEN, COOKING AREA	Contributing 2		
Level of Origin	A02	11'-20' OR 2 STORIES	Method Extin.	5	WATER CARRIED ON APPARA
Form of Heat	47	HEAT FROM IMPROPERLY OP	Fuel Model		

FIELD	CODE	CODE DESCRIPTION	FIELD	CODE	CODE DESCRIPTION
Equip Involved	25	PORTABLE COOKING, WARMING			

Section C

Structure Fire

FIELD	CODE	CODE DESCRIPTION	FIELD	CODE	CODE DESCRIPTION
Construction	5	TYPE V-(WOOD FRAME)	Detect P.S.		
Roof Cover	2	COMPOSITION SHINGLES	Detect Perf.		
Flame Damage	3	CONFINED TO ROOM OF ORIGIN	Detect Failure		
Smoke Damage	5	CONFINED-STORY OF ORIGIN	Ext. Sys. Type	98	NO EXTIN. SYSTEM
Mat. Smoke	00	UNDETERMINED-NOT REPORT	Extin. Perf.		
Form Smoke	00	FORM OF MAT. UNDETERMINED	Extin. Failure		
Ave. of Travel	7	DOORWAY, PASSAGEWAY	Head Type		
Detect Type	8	NO DETECTOR PRESENT			

Section E

Emergency Medical Services

FIELD	CODE	CODE DESCRIPTION	FIELD	CODE	CODE DESCRIPTION
Level Fire Cap			EMS Sit.		
Level Oth. Cap			EMS Sit. 2		
Level Fire Pro			EMS Sit. 3		
Level Oth. Pro			EMS Sit. 4		

Supplement for Incident: 94 00003346 Exposure: 000 Date: 10/22/94

Carlsbad Supplemental Report

Incident Type **Structure Fire**

Disposition **MULTI-FAMILY DWELLING**

Alarm Level **1** Shift **A** FireBox **2118**

Officer in Charge No. **1086 FISHER, RICK**

Miles to Scene **0**

Units Responding **E12, E14, M8, F6**

☐ F/F Exposure Report Filed

☐ Safety Referral Filed

☐ F/F Injury Report Filed

Form Numbers

Estimated Value	Prop	22000	Contents	3000	Total	0
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Non-Fire Losses	Prop	0	Contents	0	Total	0
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Incident Narrative

Responded to a report of smoke in the upstairs of a residence. On arrival Engine 12 saw smoke coming from a second story window. Engine 12 was positioned in front of the structure and Altisma command was established. A 1.75" preconnect was extended through the front door and upstairs to the seat of the fire. The fire was extinguished with approximately 100 gallons of tank water while a 4" supply line was being made by Engine 14.

The interior reported an "all clear" and "fire under control". Engine 14 pulled a back up 1.75" line and started salvage operations. The San Marcos AR unit was directed to check for possible extension into the adjoining units and to secure the electrical power.

San Marcos completed their assignment and were released. Fire investigation and overhaul were initiated.

ORIGIN AND CAUSE

Accidental kitchen fire caused by an electrical appliance (see Fire Investigation Report).

Responding Apparatus: 94 00003346 Exposure: 000 Date: 10/22/94

Vehicle ID	Due	F/F	Respond		On Scene	Available	Quarters	Action
E12	1	3	02:02	3	02:07	04:20	00:00	13 EXTING, SALVAGE, OVERHAUL

Responding Personnel: 94 00003346 Exposure: 000 Date: 10/22/94

Responder Name	Vehicle ID	Off Duty
DAVIS, MIKE	E12	<input type="checkbox"/>
FISHER, RICK	E12	<input type="checkbox"/>
GATES, CRAIG	E12	<input type="checkbox"/>

941115CCC 3078 (4)

**CARLSBAD FIRE DEPARTMENT
FIRE INVESTIGATION REPORT
(Unofficial)**

INCIDENT NO: 3346

DATE: 22 October 1994

TIME: 0159

ADDRESS: 2376 "B" Altisma Way

NATURE OF INCIDENT: Structure fire.

SUMMARY: This kitchen fire occurred as a result of a toaster oven malfunction.

INTRODUCTION: Engine 12 responded and upon arrival observed smoke coming from a second story window. Contact was made with the reporting party, [REDACTED] (dob 5-16-51), an occupant of the unit. [REDACTED] stated there was no one inside the unit and that the fire was upstairs.

A 1.75" preconnected hoseline was extended through the front door and upstairs to the second floor. Heavy smoke was encountered, but the seat of the fire was located in the kitchen and extinguished easily with approximately 200 gallons of water.

There were no unusual circumstances noted other than the heavy smoke. This can be attributed to the fact that all doors and windows were closed and only one small break in a window pane allowed any ventilation.

I, Richard Fisher, investigated the fire because I was the incident commander and there was more than a \$5,000.00 loss.

NARRATIVE: (Refer to sketches and photographs) This fire was located in one unit of a multiple family dwelling. This was a two story unit with one bedroom on the first floor and a bedroom, living room, dining room, and kitchen on the second floor. The seat of the fire was in the kitchen, which was located in the center of the second floor. All fire damage was confined to the kitchen and it's contents, which were completely destroyed. There was smoke damage to the entire second floor, decreasing as it spread from the kitchen.

STRUCTURE:

EXTERIOR: There was nothing unusual noted. The only fire damage was to a second story window which was broken by heat. This window was the highest point in the structure and only a small (1sf) piece had fallen from the pane.

INTERIOR: Entering through the front door revealed no smoke or fire damage on the first floor. Examination of the electrical panel, located inside a closet in the entry, identified two open circuit breakers; O8 (kitchen outlets) and L12 (lights).

Smoke damage began on the stairway and increased as the stairs approached the second floor. All rooms on the second had smoke damage. Smoke and heat damage increased as the kitchen was neared. Upon entering the kitchen heavy smoke, heat, and fire damage was noted. The kitchen and all of it's contents were destroyed by heat and fire.

AREA OF ORIGIN: The kitchen, located in the center of the second floor.

POINT OF ORIGIN: A toaster-oven located on the west wall of the kitchen , to the right of the sink. A wide v-pattern pointed directly to this oven and the lowest point of burn was the counter top immediately beneath it. The toaster oven and a mixer were plugged into a wall outlet directly behind and above the toaster oven, but the mixer was outside of the v-pattern. The outlet cover plate had been melted by the fire , but all interior wires were intact, indicating that there had not been an electrical problem inside the outlet box.

The toaster oven's push down on-off switch was in the up (off) position. Other controls could not be identified due to fire damage. All of the toaster's wiring was intact, although the insulation had been burned off the copper wire. All plastic parts of the toaster were deformed by melting.

CONCLUSION: Based upon the point of origin being the toaster oven and that the point of ignition was not in the electrical outlet, and that there were no other sources of ignition present, it is my opinion that this was an accidental fire caused by heat from a malfunctioning toaster oven that did not turn off.

EVIDENCE: N/A

DAMAGE ESTIMATES:

Structure : \$15,000.00
Contents: \$5,000.00

INSURANCE: Twentieth Century

DEATH OR INJURIES: None

WITNESS OR SUSPECT INTERVIEWS: [REDACTED] dob 5-16-51,
(witness) stated he was awakened when he heard and smelled the fire. He was unable to gain access to the second floor due to heat and smoke. He called 9-1-1 and exited the residence to await the fire department's arrival. He stated he had used the micro-wave oven that afternoon at approximately 1400 and had not been upstairs since

SUBMITTED BY: Richard Fisher, 3C
DATE: 25 October 1994

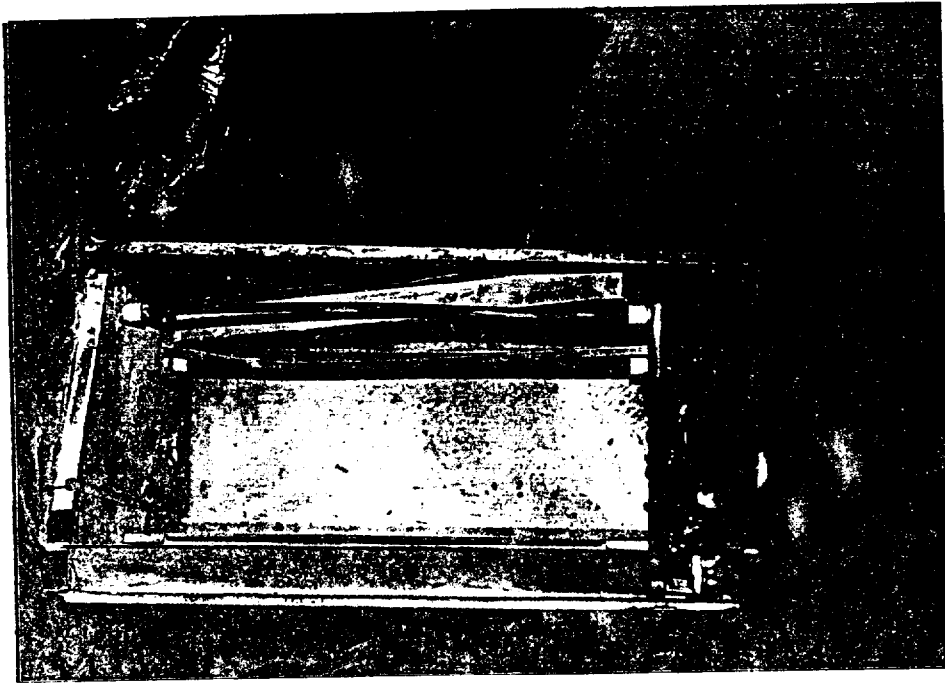


PHOTO #1 Front

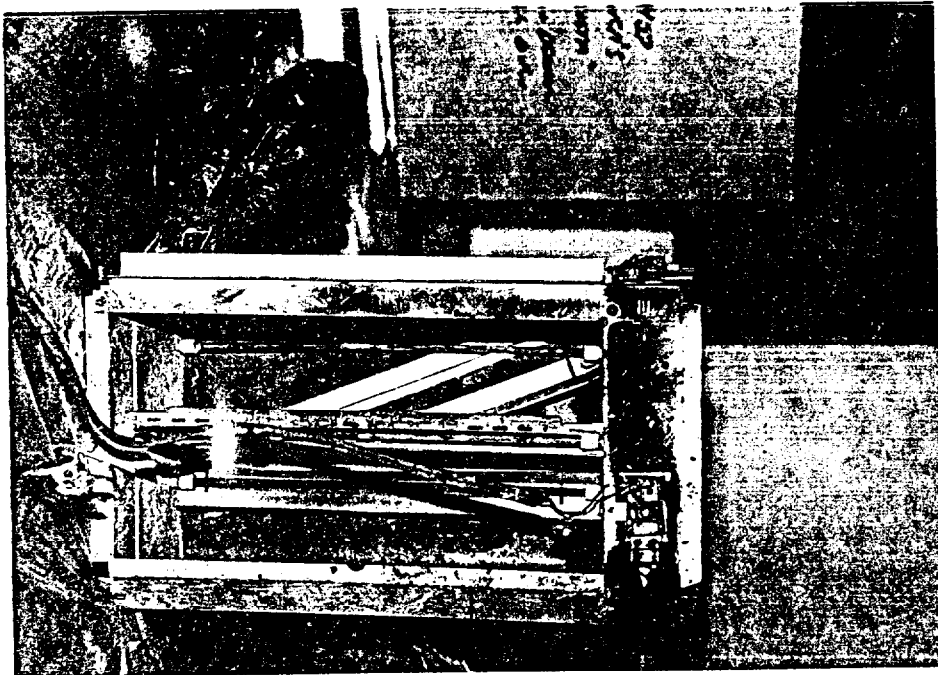


PHOTO #2 Bottom

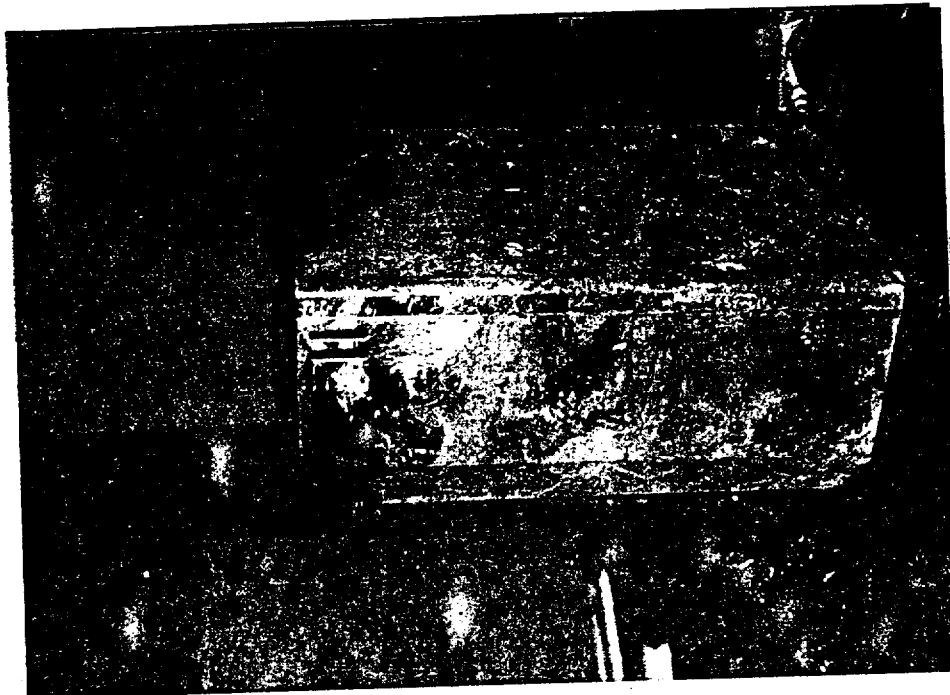


PHOTO #3 Back

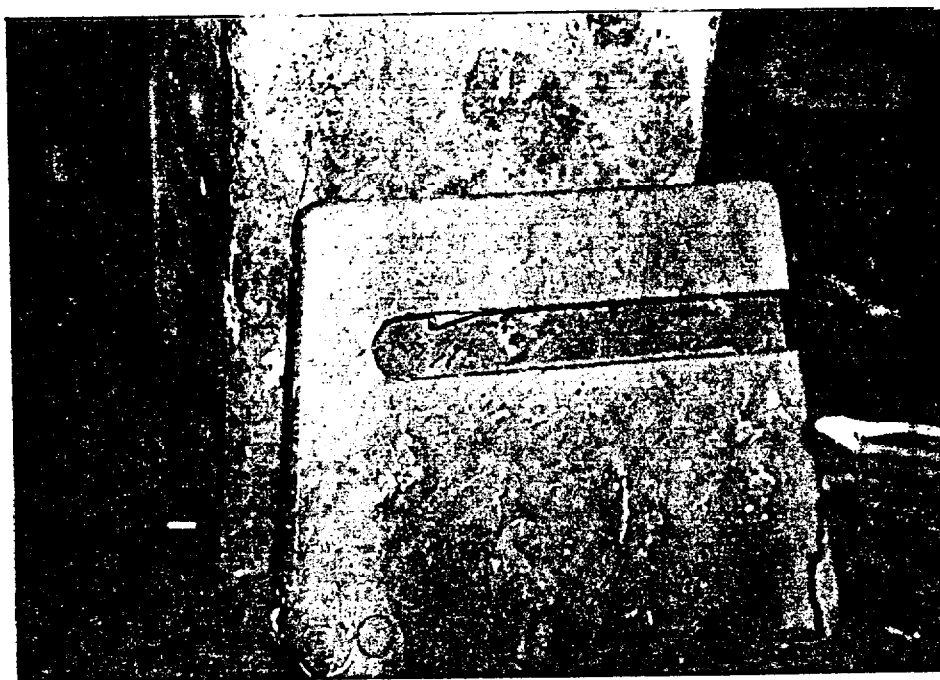


PHOTO #4 Side



PHOTO #5 Control panel



PHOTO #6 Plug

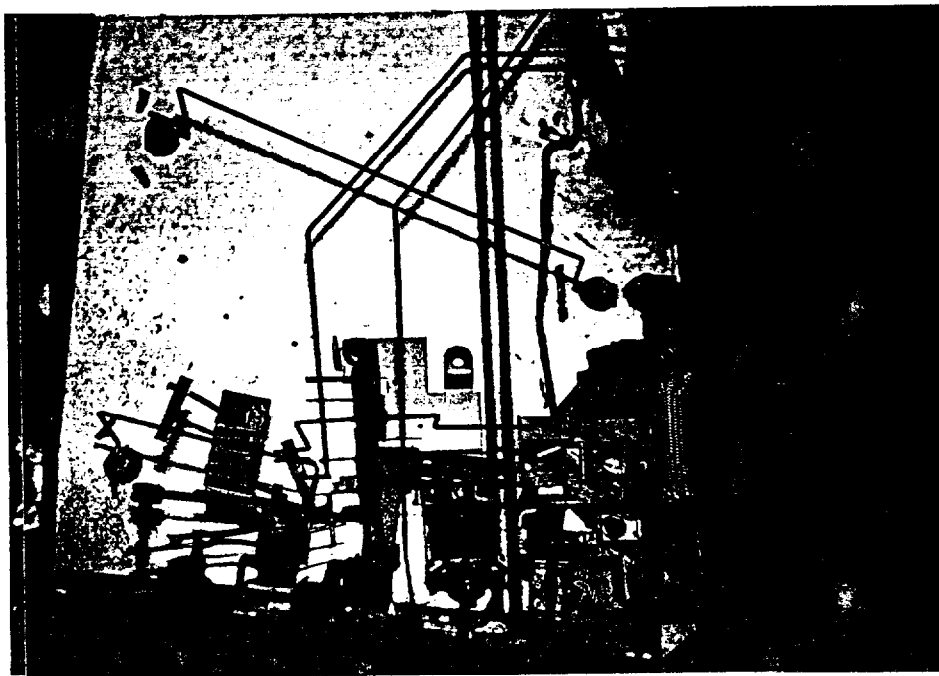


PHOTO #7 Interior



PHOTO #8 Point of failure

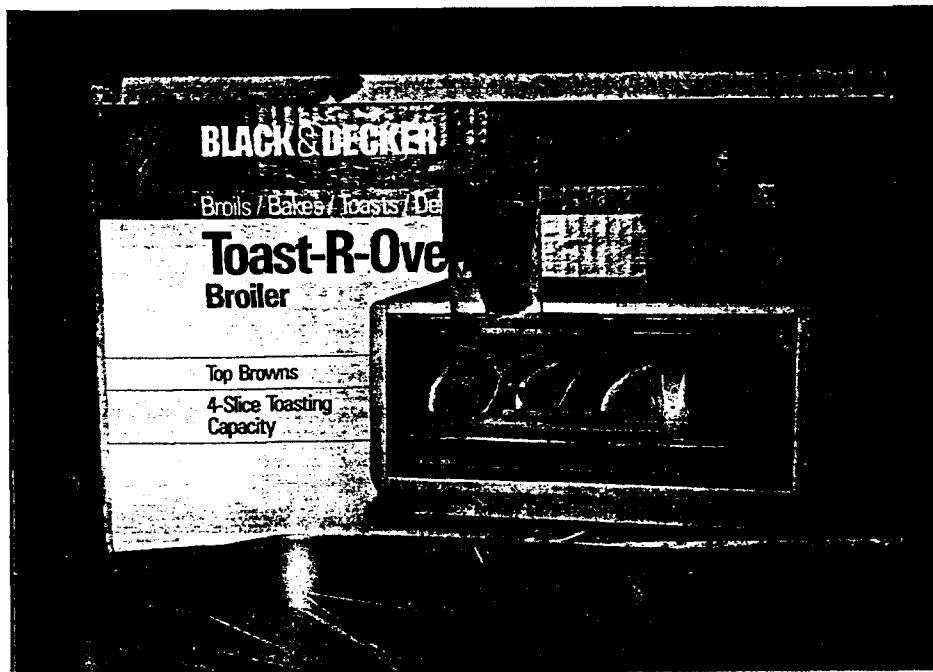


PHOTO #9 Box of another oven

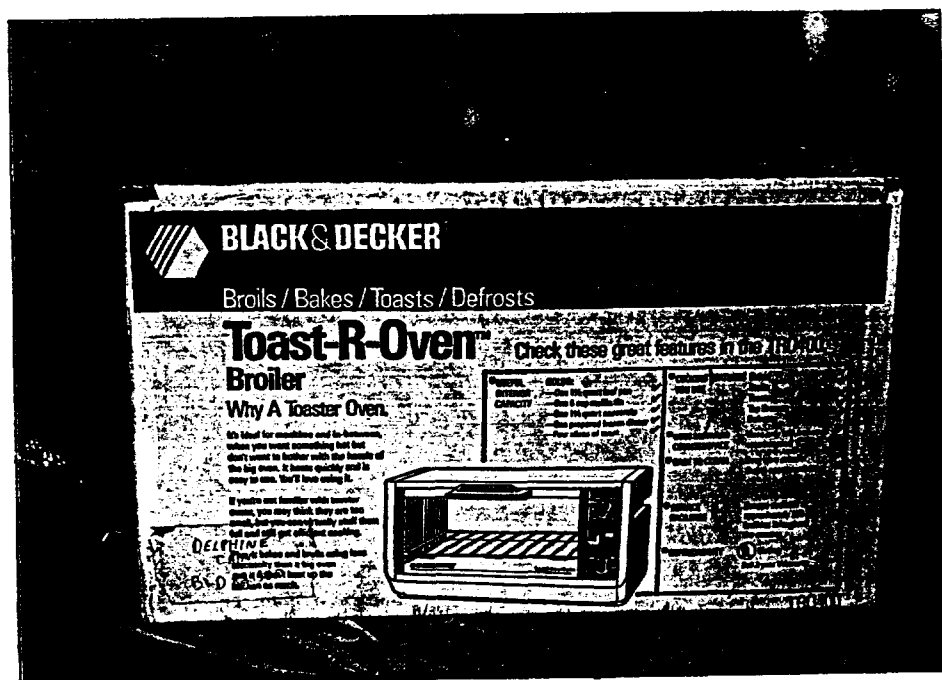


PHOTO #10 Same

REVISED MILESTONES
CPSC CLEARINGHOUSE IMAGING SYSTEM
MARCH 20, 1995

MILESTONES

COMPLETION DATE

NOVEMBER 1994

1. DISD Draft of CPSC Image Retrieval Application...November 1994
Specification Report (RAS).

DECEMBER 1994

2. Review of RAS by CPSC personnel.....December 1994
Comments, changes, questions.
3. Review of CPSC comments by DISD.....December 1994
4. Review of final RAS by CPSC, DISD,.....December 1994
and Concept Engineering.

JANUARY 1995

5. Final presentation of RAS.....January 1995
Final RAS reflecting changes agreed to at the review by CPSC,
DISD and Concept Engineering (see item 4).
6. Deliver Sybase and Novell Netware to DISD.....January 1995
7. Final database from CPSC delivered to DISD.....January 1995

FEBRUARY 1995

8. Document Images storage costs.....February 1995
DISD and Engineering Concepts presentation of IDIs (pages) in
100, 200, 300 DPI, its effect on storage usage and costs to
CPSC management. This will include photos in grayscale mode.
9. Networking Test.....February 1995
Test to determine if Novell NetWare will co-exist with Concept
Engineering document imaging system.

MARCH 1995

10. The network, software, hardware, SQL Server..3/6/95 - 3/10/95
Licenses delivered, setup, and configured at DISD.

MARCH-APRIL 1995

11. Software development stage begins.....3/13/95
12. Software development completed.....4/28/95

MAY 1995

13. Packing/shipment of system to CPSC.....5/1/95 - 5/3/95
14. Testing and installation of imaging system...5/4/95 - 5/10/95
15. Training on-site one day.....5/15-18/95

Note:

Milestones revised as of DISD memo dated February 24, 1995

FIELD ACTIVITY REQUEST				
1. REGION/STATE FOWR-> LOS	2. OPERATION Check Appropriate Block(s)		3a. DATE ISSUED > 12-2-94	
4. NUMBER > 941115COC3078	<input type="checkbox"/> Inspection <input type="checkbox"/> Telephone Contact <input checked="" type="checkbox"/> Sample Collection	<input checked="" type="checkbox"/> Recall Effect Check <input type="checkbox"/> Investigation <input type="checkbox"/> Other	3b. TRGT DATE > 30 days	
5. ESTABLISHMENT				
Name: >				
Address: >				
>				
City: >				
Phone: (>) > ->				
State: > ZIP: > ->				
6. PRODUCT > toaster		7. HOURS Operation: > _ _ Travel: > _		
8. MANAGEMENT CODES MIS: > _ _ _ FPC Nr. > _ _ NEISS: > _		9. DATE COMPLETED > _ _ > _		
OUTREACH DATA	10. TA >	11. Subprog >	12. Category >	13. Audience >
14. SUPERVISORY INVESTIGATOR > Joel Swisher AS1		15. INVESTIGATOR > Roger Burrows		
16. COMPLIANCE OFFICER > >		17. PRIORITY > > 30 days		

18A. HISTORY:

>

18B. ACTION REQUESTED:

> obtain official reports and any product information available
also, accident scenario: (see attached request)

19. REQUESTOR'S NAME AND TITLE > Renae R	SIGNATURE
20. DISTRIBUTION	
Orig: Supervisory Investigator	>
cc: EF->	>
>	>
LGCornell, for PARADOX Log	Compliance Assignment File

ACCIDENT INVESTIGATION REQUEST FORM

JCS ✓
cc: f, l

Document Number H4A0250A0

Date of Incident 10/21/94 Category I.D. SECT 15 1995

Follow-Up Requested

Hazard Analysis

Section 15

Type Follow-Up Requested

Telephone Call

or

On-Site

Headquarters Contact

R Rauchschnalle

Assignment Message

Obtain remains of toaster
oven for ESE2's evaluation (x-ray)
Obtain fire dept. report.

Person(s) to Contact

①

~~██~~

②

Carlsbad FD

Guideline

Requested By

RR

Task Number

941115 CCC 3078

Assigned to

SFOO

Date

941115

151
CONSUMER PRODUCT INCIDENT REPORT

DEC-45

OCT 27 1994

1. NAME OF RESPONDENT
[REDACTED]
2. PHONE NO. (HOME) [REDACTED] (WORK) [REDACTED]
3. STREET ADDRESS
[REDACTED]
4. CITY Carlsdad STATE ZIP CODE CA 92009

5. DESCRIBE INCIDENT OR HAZARD, INCLUDING DATA ON INJURIES
Carlsdad Fire Department extinguished fire in consumer's kitchen, estimated damage \$30,000. Fire Chief, Rick Fisher and Fire Marshall, Mike Smith, told consumer's roommate, Robert Stramski, that fire was caused by toaster-oven that shorted out; toaster oven is completely burned. Toaster-oven was off but plugged in prior to incident. Toaster-oven is UL listed. CPSC Source: TEL

6. DATE OF INCIDENTS 10/21/94
7. IF INJURY OR NEAR MISS OBTAIN AGE/SEX AND DESCRIBE INJURY:
0 Y/N none
8. IF VICTIM DIFFERENT FROM RESPONDENT, PROVIDE NAME none
RELATIONSHIP none

9. DESCRIPTION OF PRODUCT electric toaster-oven
10. BRAND NAME Black & Decker

11. MFR/DISTRIBUTOR NAME, ADDR. & PHONE Black & Decker
unknown
unknown
unknown
unknown
unknown
12. MODEL, SERIAL NUMBERS unknown
13. DEALER'S NAME, ADDRESS & PHONE unknown
unknown
unknown
unknown

14. WAS THE PRODUCT DAMAGED, REPAIRED OR MODIFIED? YES x NO IF YES, BEFORE OR AFTER THE INCIDENT? after DESCRIBE: damaged: see narrative
15. PRODUCT PURCHASED NEW x USED DATE PURCHASED 12/89 AGE 4yrs.10mo
16. DOES PRODUCT HAVE WARNING LABELS? IF SO, NOTE: unknown

17. HAVE YOU CONTACTED THE MANUFACTURER? YES NO x IF NOT, DO YOU PLAN TO CONTACT THEM? YES NO x OTHER?
18. IS THE PRODUCT STILL AVAILABLE? YES x NO IF NOT, ITS DISPOSITION
19. MAY WE USE YOUR NAME WITH THIS REPORT? YES x NO

FOR ADMINISTRATION USE

20. DATE RECEIVED 10/26/94
21. RECEIVED BY (NAME & OFFICE) dec/HL
22. DOCUMENT NO. H4A0250A
23. FOLLOW-UP ACTION
24. PRODUCT CODE(S)

5. DISTRIBUTION
94 11 15 CCC 3078
26. ENDORSER'S NAME & TITLE
Oct 10/26/94
copy to